# UNH12-185W

Rechargeable Products Sealed Lead Acid Battery

www.oremabattery.com

## General Features

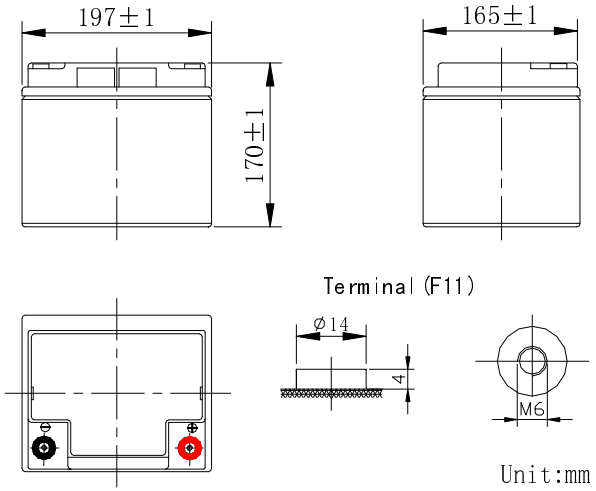
- Positive and negative plates in lead-calcium tin alloy.
- Superior energy density
- Operates at a low internal pressure.
- Gas Recombination.
- Usable in any orientation.
- A recognized component of UL.
- Very high power output.
- Application specific designs.
- Six months shelf life at 20℃.
- Design life 10 years.

## Dimensions

| | Length | Width | Height | Total Height | Approx.Weight |
|---|---|---|---|---|---|
| *SI Units* | 197mm | 165mm | 170mm | 170mm | 15Kg |
| *English Units* | 7.76inch | 6.50inch | 6.69inch | 6.69inch | 33.06lbs |

## Performance Characteristics

- Nominal Voltage： 12V
- Number of cell： 6
- Nominal Capacity 77° F(25℃)：15 min Wattage @1.67V 185W/cell
- Nominal Capacity 77° F(25℃)：10 hour rate (4.5A，10.8V) 45Ah
- Internal Resistance：Fully Charged battery 68° F(20℃) 6.1mΩ
- Self-Discharge：3% of capacity declined per month at 20℃
- Operating Temperature Range： Discharge -20～60℃ Charge -10～60℃ Storage -20～60℃
- Max. Discharge Current 68° F(20℃)：650A (5S)
- Short Circuit Current：1000A
- -18℃ Cranking Amps（CCA）：230A
- Charge Methods：Constant Voltage Charge 68° F(20℃)
  Cycle use： 14.4 ～ 14.7V Maximum charging current 11.3A
  Standby use： 13.6 ～13.8V



# UNH12-185W

Rechargeable Products Sealed Lead Acid Battery

## Discharge Date

| Constant Current Discharge Date(Amperes at 25℃) | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| End Voltage Per cell/V | 10min | 15min | 20min | 25min | 30min | 35min | 40min | 45min | 50min | 55min | 1h | 1.5h | 2h | 2.5h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 20h |
| 1.60 | 141 | 111 | 86.5 | 72.0 | 66.1 | 67.2 | 51.5 | 46.5 | 41.0 | 38.2 | 35.9 | 25.0 | 19.8 | 16.2 | 14.1 | 11.0 | 9.10 | 7.70 | 6.73 | 6.00 | 5.40 | 4.85 | 2.55 |
| 1.65 | 136 | 106 | 83.0 | 69.0 | 63.3 | 54.5 | 50.0 | 45.1 | 39.8 | 37.1 | 35.0 | 24.3 | 19.2 | 15.7 | 13.7 | 10.7 | 8.85 | 7.55 | 6.60 | 5.90 | 5.30 | 4.80 | 2.55 |
| 1.70 | 130 | 101 | 79.0 | 65.5 | 60.3 | 52.0 | 48.0 | 43.5 | 38.5 | 36.0 | 34.0 | 23.5 | 18.5 | 15.1 | 13.2 | 10.3 | 8.60 | 7.35 | 6.45 | 5.78 | 5.20 | 4.70 | 2.50 |
| 1.75 | 124 | 96.0 | 75.0 | 62.0 | 57.2 | 49.5 | 46.0 | 41.9 | 37.2 | 34.9 | 33.0 | 22.7 | 17.8 | 14.5 | 12.6 | 9.90 | 8.35 | 7.15 | 6.30 | 5.64 | 5.10 | 4.60 | 2.45 |
| 1.80 | 116 | 90.5 | 70.5 | 58.0 | 54.0 | 46.5 | 43.5 | 40.3 | 35.8 | 33.7 | 31.8 | 21.8 | 17.0 | 13.8 | 12.0 | 9.50 | 8.10 | 6.90 | 6.12 | 5.48 | 4.97 | 4.50 | 2.40 |

| Constant Power Discharge Date(Watts per cell at 25℃) | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| End Voltage Per cell/V | 10min | 15min | 20min | 25min | 30min | 35min | 40min | 45min | 50min | 55min | 1h | 1.5h | 2h | 2.5h | 3h | 4h | 5h | 6h | 7h | 8h | 9h | 10h | 12h |
| 1.60 | 252 | 194 | 152 | 132 | 115 | 104 | 92.0 | 84.5 | 78.0 | 72.2 | 67.0 | 47.5 | 37.3 | 31.5 | 27.9 | 22.3 | 18.9 | 15.8 | 13.6 | 12.0 | 10.5 | 9.70 | 8.3 |
| 1.65 | 245 | 188 | 147 | 127 | 111 | 100 | 88.5 | 81.5 | 75.5 | 70.0 | 65.3 | 46.2 | 36.0 | 30.5 | 27.0 | 21.4 | 18.3 | 15.3 | 13.2 | 11.7 | 10.3 | 9.55 | 8.2 |
| 1.67 | 241 | 185 | 144 | 125 | 108 | 98.0 | 87.0 | 80.0 | 74.0 | 69.0 | 64.5 | 45.5 | 35.5 | 30.0 | 26.5 | 21.0 | 18.0 | 15.0 | 13.0 | 11.5 | 10.2 | 9.45 | 8.1 |
| 1.70 | 236 | 181 | 141 | 122 | 106 | 95.5 | 84.5 | 78.0 | 72.5 | 67.5 | 63.3 | 44.7 | 34.7 | 29.3 | 25.9 | 20.4 | 17.5 | 14.7 | 12.7 | 11.3 | 10.0 | 9.35 | 8.0 |
| 1.75 | 227 | 174 | 135 | 117 | 101 | 91.0 | 80.5 | 74.5 | 69.5 | 65.5 | 61.3 | 43.2 | 33.4 | 28.1 | 24.8 | 19.4 | 16.7 | 14.1 | 12.2 | 10.9 | 9.7 | 9.15 | 7.9 |
| 1.80 | 217 | 168 | 128 | 111 | 95.5 | 86.0 | 76.0 | 70.5 | 66.0 | 63.0 | 59.0 | 41.5 | 32.0 | 26.7 | 23.6 | 18.2 | 15.8 | 13.5 | 11.7 | 10.4 | 9.4 | 8.90 | 7.8 |